## CLAIMS

## [6000] I claim:

1	1: A	n improved fastener gun naving a magazine holding a plurality of stacked caps,	
2	said magazine including pusher means for pushing said plurality of stacked caps through said		
3	magazine toward a first end of said magazine, said fastener gun being adapted for		
4	sequentially shooting fasteners from a nose through each of said plurality of caps; said		
5	plurality of stacked caps having a leading cap adjacent said first end of said magazine; said		
6	leading cap having a leading portion and a trailing portion;		
7	wherein the improvement comprises a cap feeding apparatus in combination with said		
8	fastener gun, said cap feeding apparatus comprising:		
9	(a)	a cap feeding body with a feeding chamber formed therewithin, said feeding	
10		chamber having a first end in communication with said first end of said	
11		magazine and second end adjacent said nose;	
12	(b)	retaining means, in opposition to said pusher means, for opposing emergence of	
13		said leading cap from said magazine;	
14	(c)	a shuttle mounted for reciprocation within said chamber; said shuttle having a	
15		forward edge and a rearward edge; said shuttle reciprocating between:	
16		i. a cap-receiving position in which said leading cap may emerge from said	
17		magazine into substantial coplanar relationship with said shuttle forward	
18		of said shuttle's forward edge; and	
19		ii. a cap-ejecting position in which said rearward edge of said shuttle retains	
20		said leading portion of said leading cap within said magazine;	
21		such that said rearward edge of said shuttle becomes interposed between said	
22		retaining means and said leading cap as said shuttle moves from said cap-	
23		ejecting position to said cap-receiving position.	

- 2: The improved fastener gun as recited in claim 1, in which said retaining means is a spring arm that engages said trailing portion of said leading cap when said shuttle is in said cap-ejecting position.
- 3: The improved fastener gun as recited in claim 1, in which said cap feeding apparatus further comprises a flipper arm mounted about an axis for pivoting movement with respect to said cap feeding body such that said flipper arm engages said leading cap as said leading cap emerges from said second end of said feeding chamber.

	:		
1	4: An improved fastener gun having a magazine holding a plurality of stacked caps,		
2	said magazine including pusher means for pushing said plurality of stacked caps through said		
3	magazine toward a first end of said magazine, said fastener gun being adapted for		
4	sequentially shooting fasteners from a nose through each of said plurality of caps; said		
5	plurality of stacked caps having a leading cap adjacent said first end of said magazine; said		
6	leading cap having a leading portion and a trailing portion;		
7	wherein the improvement comprises a cap feeding apparatus in combination with said		
8	fastener gun, said cap feeding apparatus comprising:		
9	(a) a cap feeding body with a feeding chamber formed therewithin, said feeding		
10	chamber having a first end in communication with said first end of said		
11	magazine and second end adjacent said nose;		
12	(b) a shuttle mounted for reciprocation within said chamber; said shuttle having a		
13	forward edge and a rearward edge; said shuttle reciprocating between:		
14	i. a cap-receiving position in which said leading cap may emerge from said		
15	magazine into substantial coplanar relationship with said shuttle forward		
16	of said shuttle's forward edge; and		
17	ii. a cap-ejecting position in which said leading cap is pushed by said shuttle		

- ii. a cap-ejecting position in which said leading cap is pushed by said shuttle forward edge to emerge from said feeding chamber in a feed direction; and
- (c) a flipper arm mounted about an axis for pivoting movement with respect to said cap feeding body such that said flipper arm engages said leading cap as said leading cap emerges from said second end of said feeding chamber and causes said leading cap to flip about a flipping axis transverse to said feed direction.
- 5: The improved fastener gun as recited in claim 4, in which leading cap is flipped substantially ninety degrees by said flipper arm.

1	6: A	in improved fastener gun having a magazine holding a plurality of stacked caps,	
2	said magazi	ne including pusher means for pushing said plurality of stacked caps through said	
3	magazine to	ward a first end of said magazine, said fastener gun being adapted for	
4	sequentially	shooting fasteners from a nose through each of said plurality of caps; said	
5	plurality of	stacked caps having a leading cap adjacent said first end of said magazine; said	
6	leading cap having a leading portion and a trailing portion;		
7	when	rein the improvement comprises a cap feeding apparatus in combination with said	
8	fastener gun, said cap feeding apparatus comprising:		
9	(a)	a cap feeding body with a feeding chamber formed therewithin, said feeding	
10		chamber having a first end in communication with said first end of said	
11		magazine and second end adjacent said nose;	
12	(b)	retaining means, in opposition to said pusher means, for opposing emergence of	
13		said leading cap from said magazine;	
14	(c)	a shuttle mounted for reciprocation within said chamber; said shuttle having a	
15		forward edge and a rearward edge; said shuttle reciprocating between:	
16		i. a cap-receiving position in which said leading cap may emerge from said	
17		magazine into substantial coplanar relationship with said shuttle forward	
18		of said shuttle's forward edge; and	
19		ii. a cap-ejecting position in which said rearward edge of said shuttle retains	
20		said leading portion of said leading cap within said magazine while said	
21		leading cap is pushed by said shuttle forward edge to emerge from said	
22		feeding chamber in a feed direction;	
23		such that said rearward edge of said shuttle becomes interposed between said	
24		retaining means and said leading cap as said shuttle moves from said cap-	
25		ejecting position to said cap-receiving position; and	
26	(d)	a flipper arm mounted about an axis for pivoting movement with respect to said	

27	cap feeding body such that said flipper arm engages said leading cap as said
28	leading cap emerges from said second end of said feeding chamber and causes
29	said leading cap to flip about a flipping axis transverse to said feed direction.
1	7: The improved fastener gun as recited in claim 4, in which leading cap is flipped

2 substantially ninety degrees by said flipper arm.